Am Mangural Thesis Intermittent Fever John Batte of Virginia. February 20, 1828.

Intermittent Fiver

General Character This disease Consists of a succession of gebrile paroxyme isually com Mencing with chille, and generally terminating in profuse perspiration, with intermissions or intervals longer or shorter according to the na ture of the case, and the plan of treatments pursued in each; and is Mamed according to the particular type it assumes or is made to assume. When the parayon occur once every twenty four hours very paroxy in being similar the disease is said to have assumed the qualidian type and from that circumstance it is Married a quotidian intermittent If 48 hours elapse between the begining of one paroxysm and The paroxysm heat succeeding the two being similar it is called a tertian 472 hours clapse,

intermettent sover

it takes the name of quartan. There are the Show principal types of the disease, though of the two last; There are several varieties of which the most frequent are: The double tertion, having a paronysm every day, with the alternate parone yours alike . The double testian with two pass oxyrms every other day. The triple tention, with Three paronyrus on one day, and one on the next The double quartan, with two paroaysms on the first day, none on the second & third and two again on the fourth. The double quartan with a paroneum on the first day, & another on the second, but none on the Third The triple quan tan, with three paroxyms every fourth day. The triple quartan with a paroxym every day: every fourth paronym being alike. The testian appears in the spring & is called vernal. The quartan in the fall and is called autumnal - the tertian is the most

inflammatory and frequent form & Most early Cured - The quotidian next - The quartan is The Most nan in occurrence of the most obstinate: The quotidian makes its appearance in the morning. The tistion at Moon; and The quartar in The evening The tertian is the most frequent The quotidian next & The quartan least frequent. A paronysm of intermittent is divided into three stadia or stages; to wels the Cold, not, and sweating stagu- The cold stage commences: with language sluggishness of motion, debility, youning, stretch ing & aversion to Good - The face becomes & paler The features shrinky the bulk of every external part is diminished & The shin is covered with cutis answina and appears constricted as if cold had been applied At length the patient fuls cold & universal rigors come on, with pain in The head, loins, and extremities - The respiration is short, hurried and anxious - The usine is

in the

almost Colourles, & small in quantity, The sensibility is greatly impaired; and the pulse: smally frequent, and after irregular. In some instances drowsing and stu for have obtained to such a degree asto amount almost to apoplery. There symptoms having continued for one or two hours, gradually about - being followed immediately by the not stage which is evineed by the following symptoms to webs increased heat over the whole superficies of the body the face becomes flushed, the skin dry, thirst-Considerably pain in The head and lains, throte bing of the temporal arteries; arracity & rest bessulp- the respiration is fuller and more free, but still frequent- The tongue is furred, the pulse has become more regular, hard 4 full of sometimes delineum arises. The symptoms of the not as well as The Cold stage; having Continued for some time, a moisture breaks out upon The forehead and by degrees becomes general -

The heat and Thirst gradually about The wine deposits a laterations sediment, restination becomes free and fulls, & the mule: Mong soft, and regulars and The function of the lungs, stomach, shin and other pasts are a hareutly restored from Their abnormal to Their normal state; until the much period of attack . When the course of the discon inisting , we have presented to our view; The same or nearly the same trainfromptoms, modified by the circumstances of the case or the Means unbloyed for the patients relief get there are some anomalies that I hould not be over booked Manuely that some paronysms are not unhered in by a cold stage, I that others have not been accompanied by the hot. We are Eurther informed by ackson that the paronym of an intermettent fines has gone off by a colsions discharge of wine and aline warne. time; without any iserspiratione Another anomaly

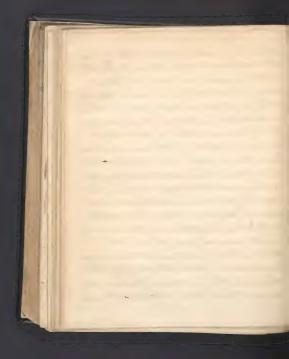


in This disease is; that it sometimes though raraly, locates itself in some barticular part of the body; for instance are extremity has been known to go through all the stages of a paronym; the out of the body semaining free from the attach. The Cause of this disease are the following viz: march Miasmato, called by The Stations nabaria) is The principal cause: Cold combined with Moisture is likewin a powerful agent in The Moduction of this disease - Mental anxiety, absternious diet, excessive evacuations, and what wer debilitates the system to a great digne May be inumerated among the Causes of This comfolaint=

Freatment. This is divided into two Sounds as applied during the paroagem or patheating the appears or curative; Suring the paroagem the physicians open



should be to haven its different stadia on stage and to relieve urgent symptoms_ To effect this. if the brusician were called to a batient during the cold stage he would direct him to be helt to bed and warmly covered and have brichs heated and reduced to a notestimberature by immersing them in cold water or Vinegay or a Mixture of the two and afterwards none Them wrakped it in suitable cloths and applied to the hatents Let Vifrequired to other harts of the body he would also order his ratient warm drinks; such as: Cha mornile tea owarm balon tea orespatorium (Berboliatum) tea; Hestimulants are required, a little wine whey May be given 46. Ohium is a here good remedy to relieve urgent symptoms and check the progrep of the Olisean To this fact Jean afford some testimone Whilst I was a student of Medicine



under the late Dr Green H. Batte, he was are Customed to give his nation to whom the slightest Inemenition of are attack, a dose of done's pocuoling which not unfrequently mevented the paroxym, and when it did not it relieved very much the distressing symptoms, and was so effec tual in giving relief that it- received from The outgarfin the vicinity the name of ague powder of they repord such Confidence with that May carried some of the powders with Their on Their journeys as they lived in a miasmatic Country to ward off an attack The practice of aiving opium in This dinans originated with Dr Frotters who says that if 2000 30gth, of the tinetun of drium be given at The Com minement of the cold stage it will chick in inogreps of the paronym altogether. It-May be Carried to a greater amount if circum_ stances sequire it. An emitic given an hour



before the private accession, frequently menents its recursine and sometimes completely eradicales the disease, when given in its commencent. The but metic that I have ever sun und in This disease, is The Vollowing putris ipreasuanha Hi. dartietis Antimonie et Totassa gra Aqua Fontis TVIII. Miseri. The dose is a tablespoonful every timor Giften minutes until it operates, when it is immedia they to be discontinued & it's emetic effects to be momented by topic water. The hediluvium is also very good in this stage so is The apple cation of tourniquets on the extremeties of opboute sides, as for example: to the upper part of the arm on the one side of the superior part of Thigh on the other The physician would mevent the cold stage if in his hours if not, he would direct his remidees so as to miligate the symptoms 4 obviate the effects of the disease of hasten the Lot stage, which is the



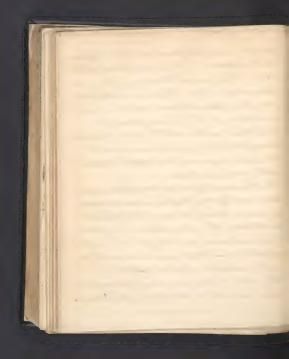
signed of the cold. The hot being formed, The Johnsie Cian should direct his remedies to it and attend to The indications to be bulfilled, which are is such were inion - brewent inflammations and promate purpiration. The first indications may be arrawed by an Unetie, when come does not occur spontaneously when The latter privails, all The propriesan would toat That time would be to assist nature by copious drinks of ray, Chamomile, or balm team The second indication is to be Julfilled by bluding The patient. If the third is to be answered by the use of some of the following diaphoreties. The best for this purpose is the acetate of ammonia, in The dow of Type every half hour, or lin grains of salt of tarter in a table. spoonfub of vinegar at the same internal; ton gos of nitre with one sinth of a grain of tartar emetic, or a grain of ipecacuanha, with answer; with teped deluent drinks, as warm



Chamonile, or eupatorium pertobiation) tea; lemonade; a drink acidulates with chiair of vitriob; or bushy water with Vingar, Vingar why; a solution of nitre in The proportion of T.p. to Phepint of linear tea or gum arabic solution. Opiumis highly recommended in This stage by Dr Lind. Injurious in intermittents of a marked phlogis. the character; highly unfeels in caus of fubliseaction. Small draughts of cold water, where The shin is very dry and hot are both gratiful 4 heneficial; predisposing to perspiration. Stronging Whe whole surface of the body with cold water or with vinegar adds much to the patients Comfort, when labouring under a high fever. This is the orders treatment of intermittents during The hot stage. - But when They are accompanied by inflammatory symptoms; The treatment is somewhat different: In The spring they are more or less inflammatory.



and also during the prevalence of an inflam Matory epidemie. - There is no difficulty in detecting This form of the disease by the symp. toms which attend . They are a sull, hard, and strong Mulse, laborious respiration, severe local hains in the read and heart. The Treatment in This care of Copious remerction during The paroxym; followed by emetics Mercurial purges and Mild diaphonties; such as the aforementioned. In the sweating stage very little med be done, unless very profuse perspiration comes on, and is likely to injure The patient-In This case, The valuet should be supported by stimule; such as: a large blister over the epigartrie- region & springing The body allower with a solution of alum Vapinito. The most is the treatment during The apprecia; which should be commenced with The



percesion bash; where the system has been fre. meanty prepared by meties, bloodletting, both ge nexul and local if required, diaphoreties 46. If The bowels be costine, They should be moved by some mild purgative; such as calomet or the extract of butternut or the powder of the Mayapple; The last of the three is a Most excellent and very Mild purgative, and from Numerous experiments Made on Myself and others with That article, I am indued to believe that its effects on The system as a purgative Mede Cine are equal to those produced by thubart or the buttermet: posseping our Them The advantage that Dessaults apparatus posselves over all others; namely it can be pro-Cured by a very little trouble; as it grows in almost every bast of the United States & exists in the greatest abundance, get may be compounded with calomet, she bash butterent



and other substances. The following is a mostexcellent purgative Medicine in This disease: Fy. Sulphuris Zi. Magnisia Zi. To be mused in a little sweet milh for a dose binshona in some of its forms is by las The Most powerful tonic Labrifuge That to hyricians police; and I will ben Ture to say that we may almost regard it as a specific in the Mildest forms of This dir save, and I have also withrefred it's good effects in several invetirate cases of we wish to obtain its best effects, we should attend par ticularly to the state of the patients yslem and not administer it when the phlogistic diaTheris prevails to a considerable degree, un_ less the ungeney of the case should require its immediate exhibition, under see cirimmstances it would seem to the tohysician to administer the bash and hold a hinds of truce with the disease, until in could make



an impression on the disease I help this this Miedi cation nature out of some of her difficulties, by attending to and bulbilling. The reveral indications as They present Themselves, at The same time support ing The patients system. Authors. eaprefe Controdictory opinions with regard to the use of purgatives & emeties as preparatory . Theavers to the suppleyment of the Cinchona. What I saw in The private practice of My preceptor in the early part of my Medical Ca. heir impressed on My Mind The importance of foreliminary Measures and The following. was The sam of my reflections: That, not with standing a cure may be effected in Muta Cases of the diseases without Them in less time, it is the safer practice, where the palient is of a robust habit and his bowels costive or whene we have any reason to suspect organ. ic durangement of the liver, splung hidnison



or other prarty as we should by delay, suller the time for The use of such measures to pap by without doing that, which we ought to have done; for it agreed by most medical writers, that the Com-Muncment of the disease is the proper times when the system can bear their operation. The existence of viceral obstructions also forms an objection to the use of the bark. In such a case a mild Murcurial Course . must be premised or the bark May be given in conjunction with Mureury. From an some to an sunce ta half of the me May be given her diem, in some cases. When it purges opium or kino May be given. When Much acidety exists in The Brima Dra, et- may be combined with an alkali. The bark when rejected by the stomach May be combined with aromatics; such as sixhuntaria, Cloves, black perpen Capsicum 46.



If The stomach should reject The back time after time, or not be able to bear it from any Circumstance; it may be administered per recturn, and in the case of children; it may be applied in The form of The bark jacket. The sulphale of quinine is a most valuable preharation of cinchona; given in doses of from one to Three grains, every how or two prote nata. Should it purge opium May be given in Combination with it: A variety of other vegetable lonies have been given in this disease, such as the prumus Virginiana, Comus & lorida et seriesa, The Wilodendron tulitilero, aristolochia serpentaria, The bark of the different Asicies of oak and willow, horse Chesnul 46. strong Coffee has been recommended. The tela avaneurum a very efficacious remedy. Many other semedies have been used in this



disease as: The white oxide of assuriez culprum ammoniacum, shewm Terebinthina sulphas Cupring sulphas Gincin Mustandy Carbonate of ammonia, camphon, the alkalies, Cinamon Fowler's solution of assenic Hb Hb. These tonies and stimulants are particularly uneful when age, debility, a damp situation or a hainy season give the dinare a more obstinate character. I have withefeed the good effects produced by a compound of Conchona and terpendarias in the proportion of zi. of the for mento rogs of the latter, given in substance. Lind speaks highly of 15.403, of alum, ten of nutines & ten of extract of bark, given Twice a day. Hive grains of Cambohorwith a drachm of the barn or three grains of the carbonate of ammonia with the same quantity, or a grain of spium mas



be given when the system requires support, The habit phlegmatic, and in quartans. When cough is combined with agung blisters to the breast, verepection, linear tea, deentions of Mallows; Mucilage of gum analice, syrubs, with nitre 46 May be resorted to-Costinenes or brown, black, or bilious stools indicate the combination of purgatives une ties & diluents. Dr. John Bell, of This city informed the class of the Medical Intitute: That a patient of his who had taken most of the tonic Medicines prescribed in intermettents previous to the necessary deptition by the lancet and purgatives with little or no effect; was cured in a short time by depletion by the lancet and purgatives & then giving him the reputed romedies; which show The importance of the physicians attention to the state of his patients system in this as



well as in all other diseases. Other remedies have been used in This disease, such as: horrory large doses of opium and an alterative course of mercury. The whole of The antiphlogistic system should be strictly enjoined This system Consists in The imployment of cool air, in the summer, and a graduated temperature in the winter, a well ventilated room, The avoidance of all impressions upon The senses, both exten Mab & intimate, The exercise of The body and Mind, The taking in of aliments, with diet should be light & consist of some of The following articles, to wit: toast water, Semonade, lineed tea, barley water with other similar articles, as, a solution of gum arabic, apple waters current jelly disrolved in water H. Where There is great Thirst; acide lated drinks should be used. Cleanliness is to be attended to Throughout the Complaint. Blisters do most good in This as well as in most other discours; after the phlogister diatheris

has been greatly reduced or completely subdued; Therefore Their was should be held in research until the system is prepared; and in case of lead pains as a general rule their was should he preceded. By caps or luche, or both; Then action may be accelerated by previously applying rube-facients to The parts.

